

ROTOR OF SMALL-SIZED MOTOR

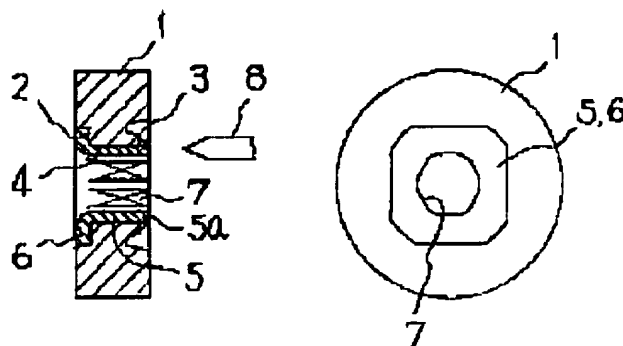
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Inventor: HOSHINO MICHIO
Applicant: MABUCHI MOTOR CO
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Abstract of JP5056582

PURPOSE: To provide the rotor for a small-sized motor high in work efficiency and productivity and capable of cost reduction.

CONSTITUTION: This rotor comprises a magnet 1, which is made in the shape of a hollow disc by the mixed material having magnetic powder and resin for its main ingredients and is constituted by providing a first recess 2 having a noncircular contour at one end face and a second recess 3 at the other end face coaxially, and a bush 5, which is made in the shape of a hollow cylinder out of a nonmagnetic metallic material capable of plastic deformation and is constituted by providing a flange part having a contour corresponding to the first recess 2 and a shaft insertion hole 7 having a contour polygonal in cross section. Moreover, the bush 5 and the magnet 1 are fixed integrally by plastically deforming, at least, one part of the end of the bush 5 projecting to the second recess 3 after setting this bush 5 in the magnet 1.



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